14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007
tel: 425-519-8300
fax: 425-746-0197

December 9, 2011

Mr. Edward J. Kowalksi, Director
Office of Compliance and Enforcement
EPA Region 10
1200 6th Avenue, Suite 900, MS OCE-164
Seattle, Washington 98101

Subject: Work Summary and Visual Performance Evaluation
Building 6, Level 600/700 Paint Removal
Rainier Commons Facility
3100 Airport Way South
Seattle, Washington

Dear Mr. Kowalski:

This letter presents Camp Dresser & McKee Inc.'s (CDM) visual portion of the performance evaluation following paint removal in the Building 6, 600 and 700 floor stairwell at the Rainier Commons Facility in Seattle, Washington. Paint containing polychlorinated biphenyls (PCBs) was removed from the stairwell in accordance with the requirements of the United States Environmental Protection Agency's (EPA) *Risk-Based Disposal Approval for Polychlorinated Biphenyl Waste at the Rainier Commons Facility* issued in a letter dated September 21, 2011. Condition 3 of the letter requires that Rainier Commons perform an evaluation of the paint removal activities that involves both a visual assessment and substrate sampling and analysis. Results of substrate sampling and analysis will be transmitted later following receipt of the analytical data.

Paint Removal

Paint removal activities occurred between October 19 and November 2, 2001. Assured Quality Environmental Inc. (AQE) conducted the paint removal. Orion Environmental Services' (Orion) industrial hygiene division conducted air and dust monitoring and oversight to ensure worker safety and the efficacy of the containment area and personal protective equipment. Photographs taken during paint removal activities are included in **Attachment A** and in Orion's job hazards analysis report included as **Attachment B**. Orion's job hazard analysis report in **Attachment B** also includes daily reports, monitoring logs and air sampling analytical data. Copies of AQE's daily reports are included as **Attachment C**. The following summarizes the paint removal methods and air monitoring results.

Site Controls

Prior to site work, the work area was fully enclosed with plastic visqueen sheeting (**See Photo 1, Attachment A**). At a minimum, personal protective equipment (PPE) consisted of

continuous flow abrasive blasting respirators with eye and face protection, Tyvek™ suits with canvas apron, leather gloves and steel-toed shoes. A decontamination station was set up, which consisted of a 3-stage decontamination station that included a dirty room for removing dirty clothing, a shower, and clean room for dressing. The decontamination station was sealed against the entry way into the work area.

Orion monitored for fugitive dust and collected air samples for analysis of PCBs to ensure that site controls were adequate. Results of Orion's monitoring determined that the area immediately outside the work zone was not significantly affected by work activities and PCB concentrations in samples collected during air monitoring did not exceed the conservative OSHA health-based benchmarks or screening levels.

Paint Removal Methods

Based on prior pilot studies, AQE began paint removal using a soda ash. However, this method proved to be very slow, required a substantial quantity of material, and hand scraping was necessary in order to effect adequate paint removal (See **Photo 2, Attachment A**). After several days of work, AQE had used 24 bags of soda and achieved paint removal across only 150 square feet. **Photo No. 3** in **Attachment A** shows partial paint removal on the brick wall using soda ash. AQE then switched to walnut shells, which proved far more effective. Only 24 bags of walnut shells were used to complete the rest of the paint removal and hand scraping was not necessary. The area was misted with a sprayer during blasting to keep down dust. With the walnut shell blasting, AQE used pressures of 80 to 90 pounds per square inch (psi), holding the sprayer approximately 12 inches from the wall.

Visual Evaluation

Following the paint removal, CDM conducted a performance evaluation in accordance with Enclosure 3 of EPA's September 21, 2011 letter. Copies of CDM's daily field notes are included as **Attachment D**. The following details the methods and findings of CDM's evaluation.

Grid Establishment

Rectilinear grids were established for both the brick and concrete substrates. The brick substrate was easily divisible into the grid pattern per the Enclosure 3 guidance. The concrete substrate was not as straight-forward, resulting in an alternate grid pattern detailed below. Each grid pattern utilized a coordinate system with numbers for the vertical axis and letters for the horizontal axis. The coordinate labels were consecutive with the letters beginning at "A" and numbers starting at "1."

The brick substrate consisted of one wall, which had an overall horizontal dimension of 25-feet (ft) and overall height of 20-ft. The overall sample area was reduced by a 5-ft tall staircase and landing running parallel with the wall starting approximately in the center of the wall at the bottom (see **Figure 1**).

Dividing each longest dimension into ten equal segments created a 10 x 10 grid with each grid element having 2-ft vertical by 2.5-ft horizontal dimensions. This resulted in 100 possible grid elements ranging from "A1" to "J10", except for those canceled out by the staircase.

The concrete substrate consisted of two separate walls; a wall on floor 700 approximately 53 square feet (sf) in area; and a wall on floor 600 approximately 101 sf in area. Although the walls were in separate locations, their areas were combined to determine the grid dimensions. This resulted in the upper wall horizontal axis being labeled "A" through "D" and the lower wall horizontal axis was labeled "E" through "H" (see **Figure 2**). Each grid element was an approximately 1.3-ft square. The Level 700 floor wall was divided into a 4 x 7 grid (horizontal x vertical) and the Level 600 floor wall became a 4 x 10 grid.

Grid Element Selection

Following the EPA guidance document, ten grid elements were randomly selected for the brick substrate to be visually inspected. To do so, the number of each grid element was written on separate equal size pieces of paper, placed in a bag and then thoroughly mixed. The ten grids to be inspected were selected by random drawing from the bag. If a grid element was not applicable to the wall grid, it was discarded and a new grid number was drawn.

The randomly-selected brick grid elements are identified below and shown on **Figure 1**:

Brick – A2, A5, B4, B6, C7, G2, G4, I8, I10, J10

As agreed between CDM and the EPA during a site visit on the first day of sampling, six grid elements were randomly selected from each concrete wall for visual inspection. Special consideration was made for the Level 600 concrete wall, which had three distinctly different substrate types: cast-in-place wall, cast-in-place foundation, and a cinder-block patched area. The location of this wall also made collecting representative samples a safety concern as part of it extended over an open stairway. Due to both the material differences and safety concerns, CDM and EPA agreed that the concrete samples in the lower level concrete wall would be collected from each of the different concrete types regardless of the random selection. The randomly-selected concrete grid elements are identified below and shown in **Figure 2**:

Concrete 700 Level Wall – A1, A6, B4, B5, C6, C7

Concrete 600 Level Wall – E1, F6[1], G1, G4, H1, H10

[1] The originally selected grid element at random was E5. Although this included the cinder-block substrate, the sample area was not large enough to collect a four-point composite sample.

Visual Inspection and Results

Photographs showing the overall conditions of the brick and concrete walls following paint removal are included in **Attachment A, Photos 4** through **6.** From a casual observation, residual paint was hardly noticeable on any of the surfaces.

Visual inspection was performed on each of the randomly-selected grid elements. The inspections noted the approximate amount, dimensions, and locations (i.e., face of brick, grout) of any remaining paint, as well as the condition of the substrate. A detailed summary of the visual inspection by grid is provided in **Table 1**. Each of the randomly-selected grid elements was photographed. Photographic documentation by grid element is included in **Attachment A, Photos 11 through 32.**

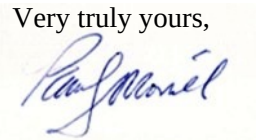
Detailed inspection identified visible paint remaining on both the brick and concrete walls (i.e., **Photos 7, 8, 9, 16, 20, 27, 29**). On the brick wall much of the residual paint occurred in difficult to reach locations, such as bricks in alcoves that faced a nearby wall (**Photo 8**) or bricks near the ceiling (**Photo 9**). The brick/grout interface was also a location where residual paint was frequently observed (**Photo 10**). An estimated average of 96 percent of the paint was removed on the brick surfaces.

On the concrete surfaces, a very thin residual paint layer was observed across some areas (**Photo 29**). Small pores in the cinder blocks appeared to have retained bits of paint (**Photo 28)**. In other areas, small remnant paint bits were thicker (**Photo 27**). On average, an estimated 90 percent of the paint was removed from the concrete surfaces.

Conclusions

Implementation of appropriate site control measures was successful in containing blasting dust within the work area. Walnut shells proved to be far more effective and efficient than soda ash as a blasting media. Overall, it is estimated that an average of 96 percent of the paint was removed from the brick surfaces and 90 percent of paint was removed from the concrete surfaces.

Very truly yours,



Pamela J. Morrill, LHG
Senior Project Manager
Camp Dresser & McKee Inc.

Attachments

cc: Mr. Dave Bartus, EPA Region 10, Office of Air, Waste and Toxics
Mr. Lior Abada, Rainier Commons, LLC
Ms. Jo Flannery, Ryan Swanson & Cleveland, PLLC

Table

Table 1
Detailed Visual Inspection Log by Grid

Building 6, Level 600/700 Paint Removal
Rainier Commons Facility
Seattle, Washington

Substrate	Grid Number	Comments from Visual Inspection
Brick	I8	• Approximately 99% of paint removed. • Less than ten visible spots of paint on the brick surfaces, none greater than 3 mm in diameter. • Paint on the brick/grout interface at approximately 4 locations ranging from ¼ to 2.5 inches long and 2 mm to 3/8 inch wide. • Grout is clean with no visible paint remaining.
Brick	I10	• Greater than 95% of the paint removed. • Approximately 30-40 spots of paint visible on face of brick ranging from 1 mm to 1 inch diameter. Visible paint primarily concentrated along the bottom five rows of the grid element adjacent to the floor where it was difficult to reach and the tape covered the bottom edge. • Spots range from 1mm to 1-inch in diameter, but are predominantly 1/8 to ¼-in. • Grout/brick interface has approximately 5 lines of paint remaining up to 5-in long and ¾ -in wide. • Most of the grout has been removed in some areas.
Brick	J10	• Greater than 95% of the paint removed. • Paint remains on bricks that extend below floor grate, which was covered by the tape. • Approximately 20 spots of paint remain on face of brick ranging from 3 mm diameter to 2-in long by 5/8-in wide. • Additional concentration of 1 to 3-inch paint spots in bottom right corner of grid element. • Most of the grout has been removed in some areas.
Brick	A2	• Approximately 98% of the paint removed. • Visible paint on 10 to 20% of the bricks, primarily on the grout/brick interface up to ¼ wide by 1 inch long. • Spots of visible paint on the grout in approximately six locations. • Brick on right under hang of side alcove still has 20 to 60% residual paint layer on approximately 6 bricks.

Table 1
Detailed Visual Inspection

Substrate	Grid Number	Comments from Visual Inspection
Brick	C7	• Approximately 99% of paint removed. • Visible paint remains on approximately eight bricks. Visible spots of paint are faded and minimal, ranging from 1 mm to 20 mm diameter. • Visible paint on grout at approximately six locations ranging from 1 to 4 mm except for an approximately 2 inch by ½ inch chunk of paint embedded between bricks. • A concrete repair spot has visible spots of paint.
Brick	A5	• Approximately 95% of paint removed. • Thin coats of paint exist on face of 34 bricks ranging in size from ¼ inch diameter to 2 inch long by ¼ inch wide. • Approximately 7 locations with paint lines along the grout/brick boundary ranging from 1 mm to 2 inches long. • Brick in lower right portion of grid has a pronounced residual paint in grout surrounding brick and in crack on brick face.
Brick	B4	• Approximately 95 % of paint removed. • Paint visible on approximately 15 bricks ranging in size from 1 mm to 3 inches diameter. • Approximately 12 spots of paint on grout/brick interface 1" to 4 inches long and ¼ to ½ inch wide. • Approximately 12 visible spots of paint on grout 1 to 20 mm diameter.
Brick	B6	• Approximately 99% of paint removed. • Visible paint on approx. 24 bricks, ranging from 1 mm to 1 inch spots. • Approx. 10 locations with paint in grout ranging from 1/8 inch diameter to 1/8 inch by 1 ¼ inch.
Brick	G2	• Approximately 92 % of paint removed. • Paint remains on face of approximately 25 bricks ranging from 1 mm to 2 inches in diameter. • Paint is more predominant on the underlying edge of the alcove where it was difficult to reach with the blaster. • Paint on the brick/grout interface at approximately 22 locations ranging from 1 to 8 inches long and 1/8 to ¾ inch wide. • Within grout – Approximately 5 location with paint ranging from 1mm to ½ inch long

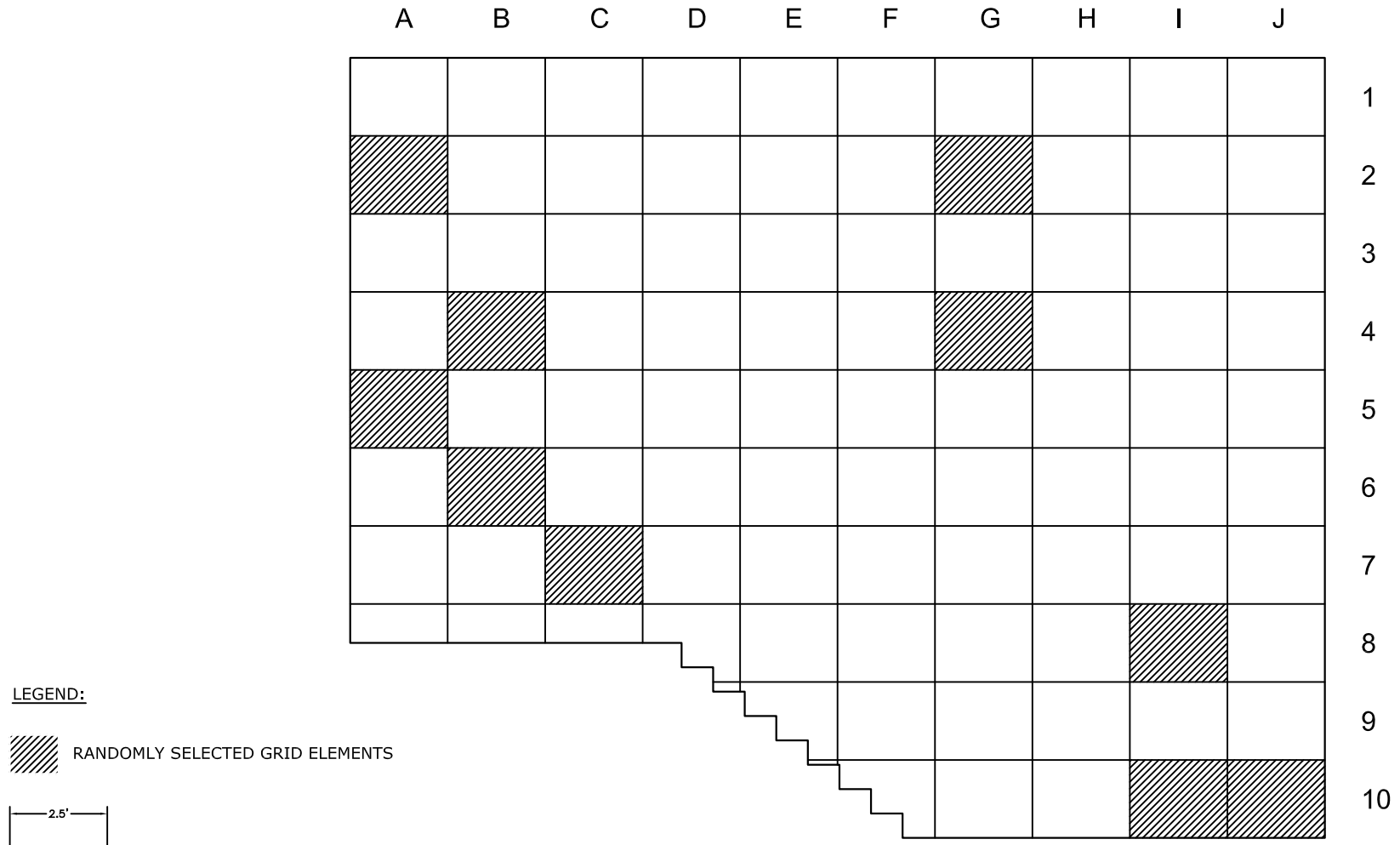
Table 1
Detailed Visual Inspection

Substrate	Grid Number	Comments from Visual Inspection
Brick	G4	• Approximately 97% of paint removed. • Paint remains on face of approximately 17 bricks ranging from 2 mm to 1 inch, mostly in the centrally located bricks on the right and left sides of the grid. • Difficult to reach under hanging edge of the top middle brick has a residual thin layer of paint over much of the brick face. • Paint on the brick/grout interface at approximately 5 locations ranging from 1 to 8 inches long and 1/8 to ½ inch wide. • Within grout - Approximately 5 location with paint ranging from 1mm to ½ inch long.
Concrete	A1	• Approximately 95% of paint removed. • Approximately 20 spots of visible paint ranging from 1 mm diameter to ¼ inch by 1 inch long. • Large cut off edge of pipe as small bits of visible paint around the outer edges and inside caulk. • Steel plate in the lower left corner has paint remaining around the edge.
Concrete	A6	• Approximately 99% of paint removed. • Approximately 10 visible spots of paint ranging from <1 mm to 1 ¼ inch diameter. • Steel plate on left side of grid with paint in some locations along the edge and in the hole..
Concrete	B4	• Approximately 99 % of paint removed. • Approximately 10 spots with visible paint, 1 mm to 1/8 inch. • I-beam in left middle portion of grid appears to have grout with numerous (>20) 1 mm or less spots of visible paint.
Concrete	B5	• Approximately 97 percent of paint removed. • Approximately 10 locations with visible paint <1 mm to 1/ 8 inch in size. • I-Beam in left middle portion of the grid has approximately 20 small (1 mm or less) spots of paint.
Concrete	C6	• Approximately 96 % of paint removed. • Bottom I-beam present in upper right corner and plastic pipe present in middle bottom of grid. • Approximately 30 visible spots of paint < 1mm to 1.5 inch diameter mainly in middle portion of grid. • Visible paint present on end of pipe sticking out of grid. Pipe itself it filled with a red grout.

Table 1
Detailed Visual Inspection

Substrate	Grid Number	Comments from Visual Inspection
Concrete	C7	• 100 % of paint removed. • No visible paint
Concrete	E1	• Approximately 80% of paint removed. • Approximately 20 spots of visible paint 1 mm to 1.5 inche diameter • Residual thin layer of paint remains in spots up to 1" x 6".
Concrete	F6	• Approximately 60% of paint removed. • Grid is located within cinder blocks. Numerous 1-2 mm spots of visible paint within the cinder blocks.
Concrete	G1	• Approximately 70% of paint removed. • Approximately 10 spots of visible paint <1mm to 2 inches diameter. • Residual thin layer of paint remains in large portions of the grid.
Concrete	G4	• Approximately 99% of the paint removed. • Approximately 12 visible spots of paint <1 mm to ¼ inch diameter.
Concrete	H1	• Approximately 95% of the paint removed. • Approximately 5 spots of visible paint remain < 1 mm to 1 inch diameter. • Residual thin layer of paint remains spots 1 to 3 inch diameter.
Concrete	H10	• Approximately 90% of paint removed. • Approximately 24 visible spots of paint < 1mm to 2 inches diameter. • Large structural column of different concrete occupies most of the grid.

Figures



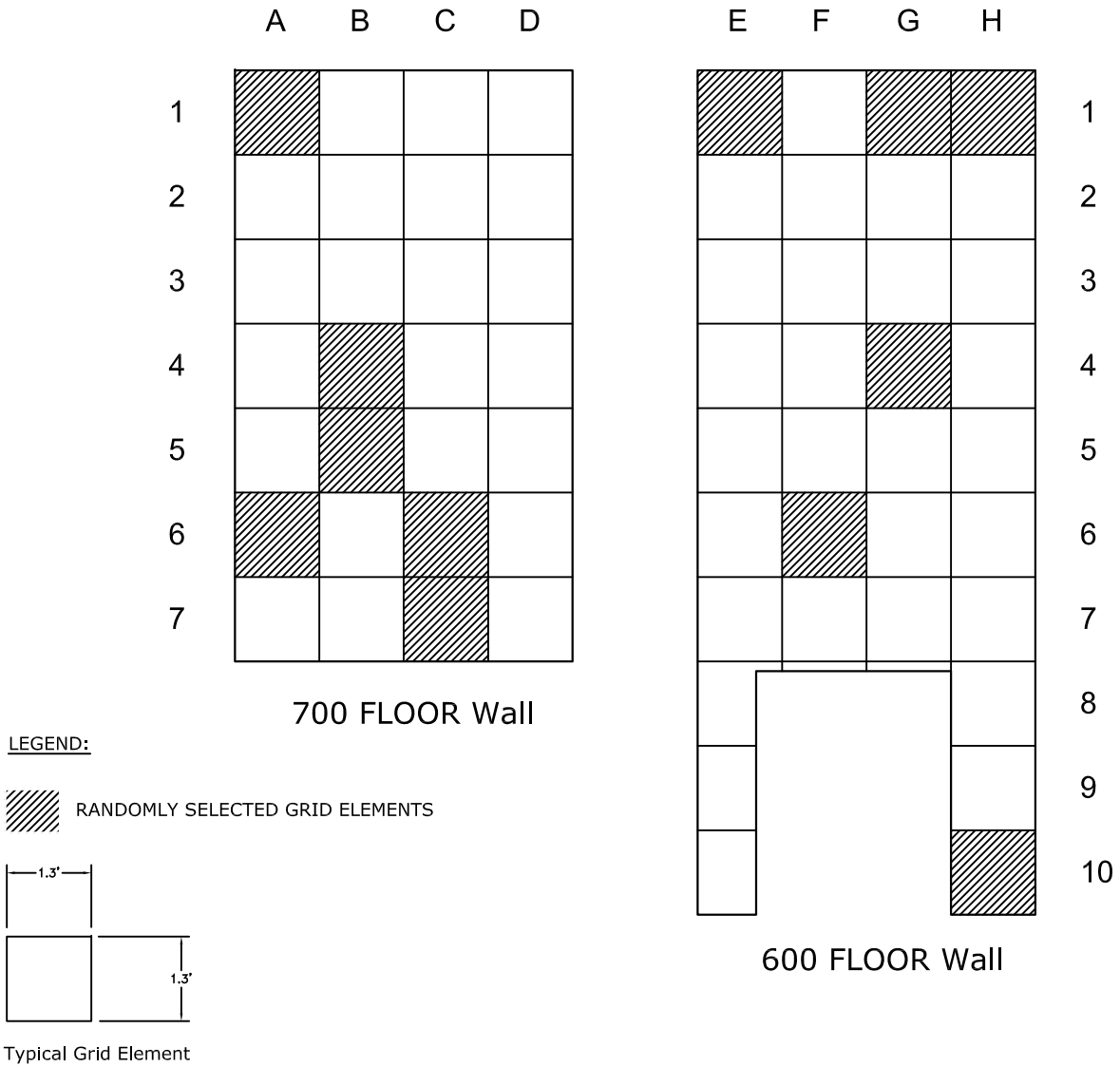
P:\79179\78891\ FIGURE-1 12/02/11 13:13 riehlepj XREFS: 8X11LBDR

RAINIER COMMONS
3100 AIRPORT WAY SOUTH
SEATTLE, WASHINGTON

Figure No. 1
Brick Wall Visual
Inspection Grid Layout

CDM

RCLLC 0012478



P:\79179\78891\ FIGURE-2 12/02/11 13:15 riehlepj XREFS: 8X11LBDR

RAINIER COMMONS
3100 AIRPORT WAY SOUTH
SEATTLE, WASHINGTON

Figure No. 2
Concrete Wall Visual
Inspection Grid Layout

CDM

RCLLC 0012479

Attachment A
Inspection Photographs

CDM

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

October 19, 2011

Photograph No. 1

Description: Containment area.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

October 21, 2011

Photograph No. 2

Description: Workers attempting to scrape paint from the wall.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

October 21, 2011

Photograph No. 3

Description: Partial paint removal on the brick wall using soda ash.

November 4, 2011

Photograph No. 4

Description: View of brick wall post abatement viewed from Level 700.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 4, 2011

Photograph No. 5

Description: View of concrete wall on Level 600 post abatement.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 4, 2011

Photograph No. 6

Description: View of concrete wall on Level 700 post abatement.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 7

Description: Close-up showing paint bits on brick.

November 7, 2011

Photograph No. 8

Description: Residual paint on brick face in Brick Grid A2 (bricks face adjacent wall).

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 9

Description: Photo showing upper portion of brick wall.

November 7, 2011

Photograph No. 10

Description: Paint at brick-grout interface in Brick Grid A2.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 7, 2011

Photograph No. 11

Description: Brick Grid A2.

November 7, 2011

Photograph No. 12

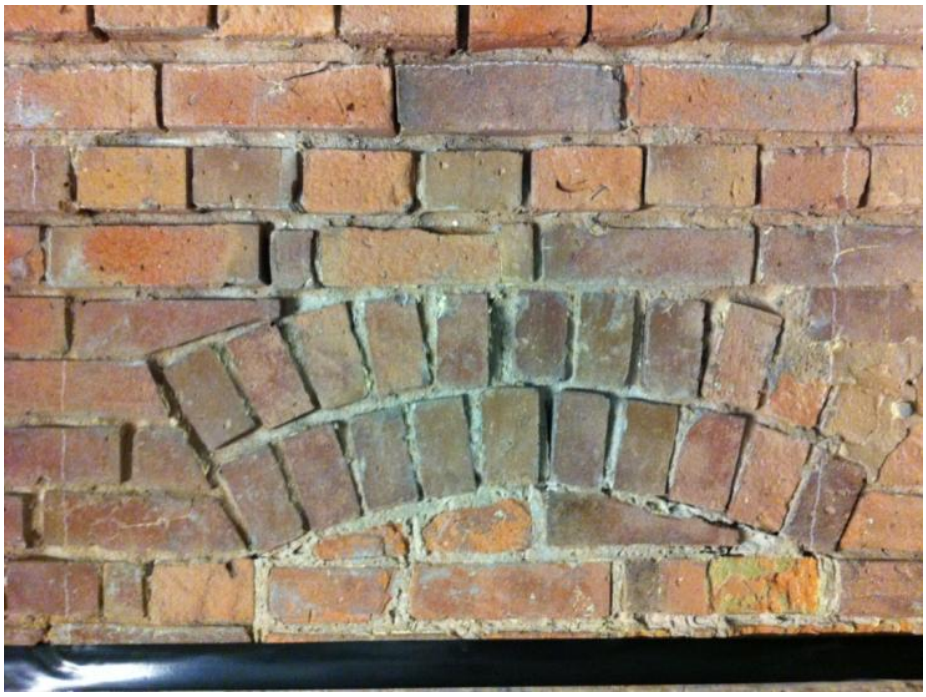
Description: Brick Grid A5.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 8, 2011

Photograph No. 13

Description: Brick Grid B4.



November 7, 2011

Photograph No. 14

Description: Brick Grid B6.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 7, 2011

Photograph No. 15

Description: Brick Grid C7.

November 8, 2011

Photograph No. 16

Description: Brick Grid G2.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

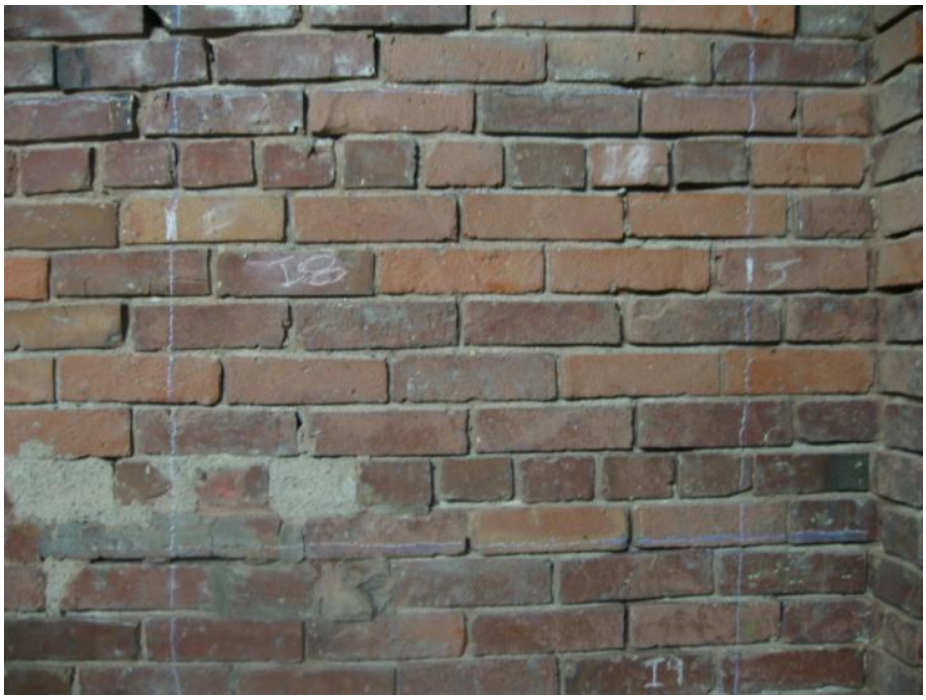
Photograph No. 17

Description: Brick Grid G4.

November 4, 2011

Photograph No. 18

Description: Brick Grid I8.



FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 4, 2011

Photograph No. 19

Description: Brick Grid I10.

November 4, 2011

Photograph No. 20

Description: Brick Grid J10.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 21

Description: Concrete Grid A1.

November 9, 2011

Photograph No. 22

Description: Concrete Grid A6.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

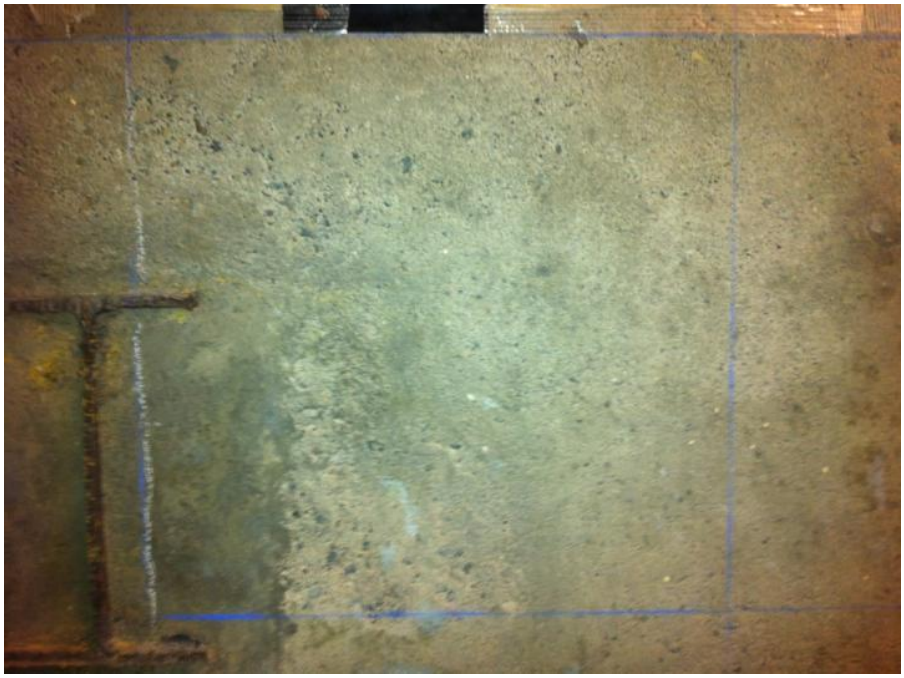
Photograph No. 23

Description: Concrete Grid B4.

November 9, 2011

Photograph No. 24

Description: Concrete Grid B5.



FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 25

Description: Concrete Grid C6.

November 9, 2011

Photograph No. 26

Description: Concrete Grid C7.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 27

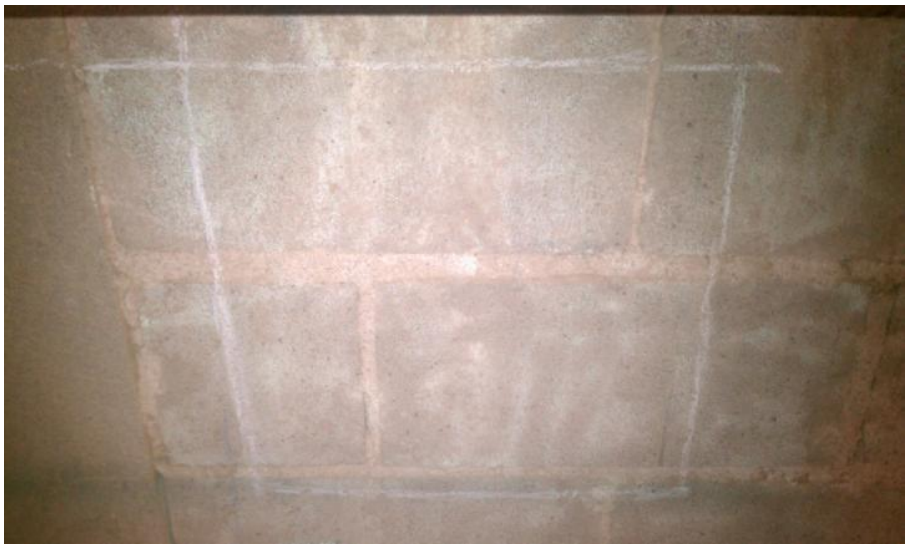
Description: Concrete Grid E1.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 28

Description: Concrete Grid F6.



November 9, 2011

Photograph No. 29

Description: Concrete Grid G1.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 30

Description: Concrete Grid G4.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 31

Description: Concrete Grid H1.

FIELD PHOTOGRAPHY LOG SHEET
Paint Removal Visual Performance Evaluation
Rainier Commons
Seattle, Washington

November 9, 2011

Photograph No. 32

Description: Concrete Grid H10.

Attachment C
Assured Quality's Field Notes

CDM

Q:\70000-79999\79179-Rainier Commons\78891\Cover Sheets.doc

A-Q-E-

DAILY LOG SHEETS

Job Old RAINIER BREWERY-

Date 10-20-11

Methods we used FOR Remove, PCBS iN PAiNt wall.
Neg Pres, enclosure AREa,
3. decons with shower.
soda Blasting EQUiPment,
PAiC Full Face mask, and. tyVecKs,
we used waTER,
we used, 60, PSi, Pressure AND. the,
Blasting. machine, and. we shot,
1 Foot OFF the wall,

Supervisor Signature _____

DAILY LOG SHEETS

JOB ADDRESS - 3200 - AIRPORT WAY S - SEATTLE -

Job NAME - OLD RAINIER BREWERY -

Date 10-19-11

8:40 - 2 WORKERS & MYSELF SHOW UP, TO THE JOB SITE - AND WE START PREP. IN WORK AREA - FOR - PCBS IN WALLS, USING 6-MIL PLASTIC - AND - WE PUT 2 NEGATIVES AIRS IN WORK AREA, AND PUT UP DECONS WITH SHOWER.

12:00 - WE TAKE LUNCH, AND - 12:30 - WE BACK, TO WORK, 1:20 - WE STOP WORK - AND - WE TAKE SAFETY MEETING, IN - BLDG -

2:30 - MEETING IS OVER - AND WE BACK, TO FINISH PREP - WE PUT 2ND FLOOR - IN WORK, AREA - USING - 6-MIL PLASTIC -

3:30 - WE FINISH PREP IN WORK AREA - AND - SHIF IS OVER -

Supervisor Signature

A-Q-E-

DAILY LOG SHEETS

Job ADDress=

Job NAME-Old RainiER BREWERY-

Date 10-20-11-

7:20-AM- 2-WORKERS & MYSELF Show UP, to the JOB site, and we start set UP, FOR- Neg Pres, en closure AREa, and, we set UP, Pressure demand RESPIRATOR AIR, and we PUT 2- AIRLines- iN WORK AREa. FOR REmove- PCBs iN PAiNt, WALL and, We using- soda BLASTiNG, machine FOR Remove, PCBS iN PAiNT WALL

11:45-AM- We Finish set UP, EQUiPMent, and- Neg Pres set UP- to- -030 and- we take lunch- 12:40-we Back From, lunch- and workers set UP iN PAPR FULL Face, MASK. and tyVECKS, 1:00- WORKERS start, Remove PCBS PAiNT iN walls: USing- ~~MACHINE~~ wet methods and SODA-BLASTing- and- we USE- 60-PSi. Pressure and the, soda BLASTing. machine, and- worker, Shot- 1-Foot OFF the wall.

2:40- workers STOP Shot soda BLASTing, and start CLEAN UP iN WORK AREa.

3:20- workers take Shower OUT- and- we, Remove ONLY- 4-SQ-F. 3:40- WORK AREa is sealed, and Shift is OVER- and we LEFT NEgatiVES- ON-

Supervisor Signature [signature]

DAILY LOG SHEETS

Job NAME- Old RainiER BREWERY-

Date 10-21-11-

7:00-AM- 2-WORKERS & MY SELF SHOW UP, TO the JOB site and we start set UP, PRESSURE demand. RESPIRATOR AIR. and, we start - clean UP STAIRS AREA and, HEPA VACUUM,
8:40- WORKERS SIGN IN and START, REMOVE PCBS USING- SODA BLASTING, and, PAC FULL FACE MASK and TYVECKS, and we methods, 10:00-AM- we STOP WORK Because, Blasting machine NO SHOT, and 10:20- WORKERS take shower out.
11:00.AM- TONY show UP FOR make sure the, Blasting-machine WORK, 11:50- TONY- FIX the Blasting-machine, and- 12:00. we, take lunch. 12:50- we Back From lunch, and WORKERS set UP IN PA,C Full Face mask, and, TYVECKS, 1:00 WORKERS Back TO work, and, start Blasting soda- 2:45- worker STOP using, soda Blasting and start clean UP IN WORK AREA, 3:35- WORKERS take shower out,
3:45. WORK AREA, is sealed. and, SHIF is over-

Supervisor Signature [signature]

DAILY LOG SHEETS

JOB ADDRESS: 3200 AIRPORT WAY S. SEATTLE

Job NAME- Old Rainier Brewery

Date 10-24-11

7:00- 2-WORKERS & MY SELF SHOW UP TO, THE JOB SITE AND WORKERS START SET UP, IN PAPR FULL FACE MASK AND TYVECKS, AND, I START SET UP BLASTING MACHINE,
7:40- WORKERS SIGN IN AND START REMOVE, PCBS IN WALL- PAINT- USING- SCRAPE- AND, & SODA BLASTING AND- WET METHODS,
12:00- WORKERS TAKE SHOWER OUT FOR, TAKE LUNCH. 12:45- WE BACK FROM LUNCH, AND WORKERS START SET UP IN PAPR, FULL FACE MASK AND TYVECKS,
1:00- PM- WORKERS SIGN IN AND WORKERS, BACK TO WORK 2:50- WORKERS START, CLEAN UP IN WORK AREA.
3:30- WORKERS TAKE SHOWER OUT.
3:40- WORK AREA IS SEALED- AND, SHIFT IS OVER-

Supervisor Signature [signature]

A-Q-E-

DAILY LOG SHEETS

JOB ADDRESS= 3200- AIRPORT WAY-S- SEATTLE,

Job NAME- Old RAINIER BREWERY-

Date 10-25-11

7:00-AM- 2-WORKERS & MY SELF SHOW UP, GO THE JOB SITE, AND WORKERS START, SET UP IN PAC FULL FACE MASK AND, TYVECKS, FOR SCRAPE AND SODA BLASTING, PCBS IN WALL PAINT- 7:20-WORKERS, SIGN IN AND START LOADE BAGS OUT, 8:10- WORKERS FINISH. TAKE BAGS OUT AND, START SCRAPE AND SODA BLASTING PCBS, IN WALL PAINT. USING- WET METHODS, AND, WORKERS TAKE OUT. 28- BAGS, AND, THE, NEG. PRES- IS- .024- TO- .035.
12:00- WORKERS TAKE SHOWER OUT FOR TAKE, LUNCH. TO- 12:40- WE BACK FROM LUNCH, AND WORKERS START SET UP, IN PAC, FULL FACE, MASK AND TYVECKS, 1:00. WORKERS SIGN IN, AND BACK TO WORK.
2:50- WORKERS STOP REMOVE AND START, CLEAN UP IN WORK AREA-
3:30- WORKER TAKE SHOWER OUT
3:45- WORK AREA- IS SEALED. AND SHIFT IS OVER-

Supervisor Signature [signature]

A-Q-E-

DAILY LOG SHEETS

Job ADDress=3200-AiRPORT Way-S-seattle,

Job NAME- Old-RainieR-BreweRy-

Date 10-26-11-

7:00-Am-2-WorkeRs-& my SelF, Show uP, to the JOb site- and WORKeRs SeT uP iN, PA,C Full Face mask, and tyVecks, and, my, Neg PreS- i5-.025-to-.035,

7:20-Am-WORKeRs SiG iN, and Start ReMove, PCBS- iN Wall-PAiNt, USinG- SCRaPe and, SODa BLASTinG, and. WeT MeTho dS,

8:30-dennis Show uP, to the JOb site, and,

9:00-I SiGniN, to WORK, and dennis i5 OUTside,

12:00-WorkeRs & My SelF, We take Shower, OUT, For take lunch, and we change, soda, Blasting, For. Sand Blasting, and WORK. Great, 1:00-WorkeRs Back, to WORK, and Start, sand BLASTinG- USinG-75-to-100-PST, and Shot 1.5-Foot, OFF, From the Wall, and the Sand Blasting, NO damage, the Wall, 2:50-WorkeR StOP, Shot sand Blasting, and Start eleanuP, IN WORK AReA, @ 3:30-WORKeRS, take Shower OUT.

3:40-WORK AReA i5 SeaLed- and, ShiF i5 OVeR.

Supervisor Signature [signature]

A-Q-E-

DAILY LOG SHEETS

JOB ADDRESS= 3200 - AIRPORT way S - seattle -

Job NAME Old Rainier Brewery -

Date 10-27-11

7:00-AM - 2-WORKers, & MY SELF show UP to, the JOB, and workers set UP, iN PAC, Full Face mask, and tyVecks and. I checked my Neg Pres, and is OK. 0.26-to-050 - 7:15. workers, sign iN and Start, Remove, PCBS iN wall PAiNt, using sand Blasting, and wet methods, 8:00-AM - Dennis show UP, to the JOB site, and he start, PUt sand iNthe, Blasting machiNe.

12:00 - workers, take Shower OUt, For take, lunch, 12:40 - we Back, From lunch, and, workers, set UP, For Back to work.

1:00-Pm - workers sign iN and workes, continued, sand Blasting,

2:00-Pm & workers stop sand Blasting, Because sand Blasting machiNe, is Ran out OF, diesel - and workers, start clean UP, iN work Area, 3:20 - workers start take, Shower OUt, and - 3:30 - workers sign out, 3:40 - work Area, is sealed. Because, Shift is OVER -

Supervisor Signature [signature]

RCLLC 0012509

DAILY LOG SHEETS

Job ADDress=3200-AiRPORT Way-S-seattLe.

Job NAME- OLd RainieR BreweRy.

Date 10-28-11.

6:50-Am- 2-workers & my SeIF show uP, to the JOb site, and workers set uP in, PAC Full Face mask, and tyVecks.

7:10-WorkErs sign in, and start take, Bags OUt, 8:00-WorkErs Finish take Bags OUt, and start ReMoVe PCB-5, iN wall, PAiNt usiNg-Sand Blasting, and My. NegAtes, is .030-40-.045- and dennis show uP, and, he start Put sand Blasting iN the Blasting, machine, and, worker using, wet methods. 12:00-workers take, Shower OUt For take, Lunch, 12:30. We Back From Lunch, and, workers start, set uP-in PAC Full Face mask, and tyVecks-12:40-Workers sign in-and, Back to WORK, 2:45-WorkErs StoP-Shot, Sand Blasting and Start clean uP iN, WORK AREa-

3:30-workers take shower OUt,

3:40-WorkE AREa is sealed, and, ShiF is oVER-

Supervisor Signature [signature]

DAILY LOG SHEETS

Job ADDress= 3200-AiRPORt way-S- seattle.

Job NAME- Old Rainier- Brewery-

Date 10-31-11

7:00- 2-workers & My SELF show up, to the JOB site, and workers start, set up in PA,C Full Face mask, 7:15 Am- workes sign in, and start, take Bags out, 7:50- workers finish, take 8' Bags out, and start shot sand, Blasting- For REmove PCBS in wall Paint- using- Neg Pres. and wet methods, and. my Neg Pres is .025 to- .038.
12:00- workers take shower out, For take, Lunch. to- 12:30- we Back From Lunch, and workers start, set up in PA,C Full Face, mask and tyVecks. 12:40- workers sign, in and start WORK,
2:45- workers stop, Shot Sand Blasting, and start, clean up in work AREa, 3:30 pm- Workers take, shower out. 3:40- work AREa, is sealed. and, Shif is over.

Supervisor Signature [signature]

DAILY LOG SHEETS

Job Address= 3200-AIRPORT WAY-S-SEATTLE-

Job NAME-OLD Rainier Brewery-

Date 11-02-11- 11-01-11-

6:50-AM-2 workers, & My self show up, to the Job site, and workers start, set up in PAC Full face mask, and, tyvecks, 7:10-AM-workers sign in, and start take Bags out,

7:40- workers Finish take 10 Bags out. and workers start, Remove PCBS in wall, PAINT- using, sand Blasting and wet, methods, and-my Neg-Pres. is-.026-to-.035

12:00-workers, take shower out, For take lunch, 12:30-we Back From Lunch, and workers, set up in PAC Full face mask, and, tyvecks, 12:40-workers sign in and Back, to work, 2:30-workers Finish shot, sand Blasting, Because workers Finish, Remove, PCBS in Wall PAIN, and workers, start clean up,

3:30-workers take shower, out and, 3:40-work Area is sealed, Because, shif is over.

Supervisor Signature [signature]

A-Q-E-

DAILY LOG SHEETS

Job ADDress= 3200-AirPort way-S-seattle-

Job NAME-Old Rainier-Brewery-

Date 11-02-11-

12:20-pm-2-workers & myself shows up, to the Job site, From Another Job, and workers start set up in PAC, Full Face mask and tyvecks, and, 12:30-Workers sign in and start, take Bags out, 1:00-workers start, Clean up in work Area, Because, workers Finish sand Blasting, Date-11-01-11-

3:30-workers take shower out, and-3:40-work Area is sealed, and-Shift is over-

Supervisor Signature [signature]

DAILY LOG SHEETS

Job ADDress= 3200- AIRPORT WAY-S- Seattle-

Job NAME- Old Rainier Brewery-

Date 11-03-11

7:00-Am - 2-Workers & myself show up, to the Job site and workers setup in, M/C 1/2 mask- and tyvecks- For, Finish cleanup in work Area-

7:10-Am - Workers sign in and start, Clean up in work Area- using, Hepa Vacuum and- wet wipe methods; workers start wetwipe walls and, Floors. 9:40- worker From ORION LABS, She start work inspection in work Area, and inspection pass.

12:00- Workers take shower out For take, Lunch. 12:40- Workers Back to work, and start take enclosure down, Because clearance inspection pass.

3:30- we Finish. take decons down- and, Negatives AIR- and,

Job is complete- and, we take 128- Bags out- total.

Supervisor Signature

Attachment D
CDM's Field Notes

CDM

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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 1

Project Rainier Commons — Project No. 78891
Location Seattle, WA — Date 11/04/11
Equipment Rental core drill — Company Eastside — To File
Equipment Hours 1 day — F.E. Time from: ——— to: ——— — By Alexis Lopez (AAL)

Purpose: lay out sampling grids, drill test cores, erect scaffolding, etc.

0915- Pam Merrill & Alexis Lopez onsite. Perform quick site walkthrough
0940- M. Hooper onsite w/ Berg Scaffolding Co. employee, unloading scaffolding parts
0955- Begin loading gear inside
1050- Gear loaded to staging area, prepare to drill core in clean brick wall on 5th floor as a blank.
1107- Begin drilling @ first blank location, goes very smoothly but drilling into the brick 1 1/4" ~~only~~ yielded a < 1" long core. Need to drill deeper, try 1 1/2" deep in another location
1135- Break for lunch
1215- Back from lunch, package blank brick sample. Try to find unpainted concrete wall for concrete blank location *note: collect sample B-B-1 @ 1130 which is a brick wall, blank sample. Prepare to measure grid walls. Pick locations for inspection J10, G4, I8, A2, I10
1400- M. Hooper offsite to get new scaffolding. P. Merrill & A. Lopez set up grid. Locations for sampled grids: B6, C7, B4, G2, A5.
1430- M. Hooper back onsite, begin hauling & setting up scaffolding *note: Pam Merrill & Alexis Lopez begin inspections of grid elements @ 1410.
1550- Attempt to core in concrete wall to determine how difficult it will be / how long it will take. It is much more difficult than brick. Pack up.
1630- A. Lopez, P. Merrill, M. Hooper offsite

AL 11/04/11

Visitors:
Attachments ☐ Continued
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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 1

Project Rainier Commons — Project No. 78841
Location Seattle, WA — Date 11/04/11
Equipment Rental ____ Company ____ To File
Equipment Hours ____ F.E. Time from: ____ to: ____ By Alexis López (AAL)

Inspection Log

@ 11/04/11 (i.e. >99.9%)

Photo #	Grid #	Comments
103-1817 (Pam's camera)	I8	Almost all paint has been removed. Fine line of yellow paint (~2.5" long & ~1mm wide) remains near grout/brick contact. Less than 10 spots of paint remain, ranging from 1-3mm ϕ. Another fine line of paint (~1" long, 2mm wide) @ brick grout contact. Another line primarily on grout ~1.5" long & 3/8" wide. Another spot of paint on brick/grout boundary ~1/4" ϕ. Grout is mainly clean, visible paint not obvious.
103-1818	I10	Grout has been almost entirely removed in some sections. Approx 30-40 spots of paint remain on face of brick ranging from 1mm-1" ϕ, predominantly 1/8-1/4" ϕ. Apparently more difficulty removing paint from bottom 4-5 rows of bricks. Approx 5 lines of paint on grout/brick boundary up to 5" long & 3/4" wide that extend below floor
103-1819 to 1821	J10	Bottom partial bricks still have the majority of paint remaining. Bottom right corner has bricks w/ 1-3" ϕ spots of paint remaining. Approx 20 spots of paint remain ranging from 3mm ϕ to 2" x 5/8". Grout has been almost entirely removed in some spots

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Attachments ☐ Continued
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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 1

Project Rainier Commons — Project No. 18871
Location Seattle — Date 11/07/11
Equipment Rental core drill — Company Eastside — To File
Equipment Hours 1 day — F.E. Time from: — to: — By Alexis López (AAL)

Purpose: Begin drilling cores into ~~conc~~ brick walls
0815 - A. López onsite
0835 - P. Merrill & W. Grove onsite. Load up elevator, transport equipment up stairs. Discuss plan, health & safety mtg. Prepare decon
0900 - Begin inspections
0940 - Lior onsite, discuss plan, etc (Lior Abata)
1010 - Begin masking off sample locations, except C7 where we will ~~&~~ begin drilling.
1045 - Begin drilling in C7 grid location
1100 - EPA regulator onsite, discussing plan, process & plan for concrete. W. Grove & A. López continue drilling (EPA Regulator is Dave Bartus). AM
1145 - D. Bartus & L. Abata offsite
1220 - collect sample C7-B-1, pictures of sample locations: 188-8876 & 77
1235 - Break for lunch
1320 - Back from lunch, set up to perform inspection of B6, adjust time on camera. Discuss plan for concrete walls w/ P. Merrill
1350 - P. Merrill offsite. perform inspection of B6 location
1405 - Begin drilling in B6 grid location.
1510 - Collect sample B6-B-2. Prepare to inspect & sample A5
*note: pictures of B6 sample locations: 188-8878 through 80
1540 - Begin drilling at A5 grid location
1640 - collect sample A5-B-3, pictures 188-8882 & 83. Pack up, decon equipment so its all ready for tomorrow
1710 - W. Grove begins downloading pictures to burn to cd
1740 - A. López & W. Grove offsite

Visitors:
Attachments ☐ Continued
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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 2

Project Rainier Commons — Project No. 78891
Location Seattle, WA — Date 11/07/11
Equipment Rental ____ Company ____ To File
Equipment Hours ____ F.E. Time from: ____ to: ____ By Alexis López (AAL)

Inspection Log

Photo #	Grid #	Visible Comments
188-8868 (Will's camera) through 8873	A2	Paint remains on 10-20% of bricks, primarily on brick/grout interface, Spots & Lines of paint along edges of brick ~1" x 1/4". Paint off grout in ~6 locations. Right undulating side of alcove is covered by 20-40% paint on ~6 bricks. Str ~98% of grid is exposed, paint-free brick. Approx 4-6 bricks have paint remaining on 2-4% of face
188-8874	C7	99% paint removed. Visible paint on ~8 bricks. Approx 6 locations of paint on grout, ranging from 1-4mm, except 1 large chunck embedded b/w bricks (~1" x 1/2") Concrete repair ~1 1/4" x 1" in one location has paint spots remaining Spots on faces of brick are very faded/minima, range from 1mm to 20mm.
188-8878	B6	99% of paint removed. Visible paint on ~24 bricks. Approx 10 locations of paint in grout ranging from 1/8" ϕ to 1 1/4" x 1/8". 3% of grout surface, <4% brick surface has visible paint remaining. Paint on bricks ranges from 1mm-1" spots

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Attachments ☐ Continued
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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 2 of 2

Project Rainier Commons — Project No. 78891
Location Seattle, WA — Date 11/07/11
Equipment Rental _____ Company _____ To File
Equipment Hours _____ F.E. Time from: _____ to: _____ By Alexis López (AAL)

Inspection Log

Picture #	Grid #	Comments
188-8881	A5	95% paint removed. Paint remains on face of 34 bricks ranging in size from 2"x1/4" to 1/4"ϕ. Approx 7 spots w/ paint lines along grout/brick boundary two-2"x1/4" 18 locations of paint in grout, ranging from 2"-1mmϕ. Brick in lower right portion has very pronounced paint in grout surrounding brick & in crack on brick face

Visitors:
Attachments ☐ Continued
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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 1

Project Rainier Commons Project No. 78871

Location Seattle, WA Date 11/08/11

Equipment Rental core drill Company Eastside Rentals To File

Equipment Hours 1 day F.E. Time from: — to: — By Alexis López (AAL)

Purpose: Continue coring in brick wall

0815 - A. López onsite. M. Hooper already onsite

0820 - Pam calls, discuss plan for equipment blank. Need to obtain reservoir for Hexane ~~blank rinse~~ equipment blank rinse. Elevator not coming when called, door to area where we staged our equipment is closed from main stairwell. Find another way, bring equipment up.

0920 - M. Hooper offsite to get bag for shop vac. A. López setting up for equipment blank & inspection / sampling of B4 grid location

0940 - collect equipment rinsate blank sample RB-B-1 by dipping the core bit into hexane, swirling, and pouring hexane into laboratory glassware.

0950 - M. Hooper back onsite, set up to inspect & drill at B4

- Begin drilling @ B4

1310 - collect sample B4-B-4, see photo #44

1320 - collect field duplicate sample B4-B-(2)

1345 - offsite, break for lunch. (*note: elevator is broken @ 1330)

1445 - back from lunch, set up to move scaffold near G2 location. Scaffold at necessary height is unsafe w/o safety harness. We will drill field blank concrete cores & go procure harnesses

1645 - collect concrete blank C-B-1. M. Hooper offsite to procure safety harnesses

1708 - M. Hooper back onsite. Suit up w/ safety harnesses & continue setting up scaffolding.

1740 - While moving scaffolding, etc. we discover 2 crossmembers are missing. After looking around, we go talk to Brenda who is prepping the floor below for paint. She says she grabbed 2 crossmembers thinking they were hers and she will give them back to us by tomorrow morning. Continue erecting scaffolding. Pack up.

1850 - A. López & M. Hooper offsite

Visitors:

Attachments ☐ Continued

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FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 1

Project Rainier Commons | Project No. 78891
Location Seattle | Date 11/08/11
Equipment Rental _____ Company _____ | To F/C
Equipment Hours _____ F.E. Time from: _____ to: _____ | By Alexis Lopez

Inspection Log

Photo #	Grid #	Comments
43 Matt's phone	B4	95% of paint removed. Paint remains on ~15 bricks, ranging in size from 1mm–3" ϕ. Brick in bottom right corner still has paint on it. Approx 12 spots of paint lines on grout, 1" to 4" x ¼" to ½" Approx 12 more spots of paint on grout. 1mm–20mm ϕ

Visitors:

Attachments ☐ Continued

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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 1

Project Rainier Commons — Project No. 78891
Location Seattle, WA — Date 11/09/11
Equipment Rental core drill — Company Eastside — To File
Equipment Hours — — F.E. Time from: — to: — By Alexis López (AAL)

Purpose: continue drilling cores in brick wall & begin drilling in concrete
0700 - A. López onsite. M. Hooper already onsite. Begin loading equipment upstairs
0715 - No sign of crossbraces in our staging area or near scaffolding. Call Brenda, leave message
0740 - collect rinsate blank sample RB-B-2.
0745 - Brenda has given us crossbraces for scaffolding. M. Hooper preparing to grid concrete. A. Lopez offsite to get ice
0815 - A. López back onsite, set up grid systems on concrete. Set up remainder of scaffolding. Prepare to inspect G4.
0945 - Begin inspection of G4. Move scaffolding and prepare to inspect G2
1020 - Begin inspection of G2. Photos 48 & 49 show top portion of brick wall which has paint remaining.
1055 - Begin drilling @ G2 see photo #53
1215 - collect sample G2-B-5. Move 4' tall section of scaffolding to upper level. Adjust remaining scaffolding to sample lower concrete wall
1300 - offsite for lunch, select inspection & coring locations
1330 - Back from lunch, set up to core at upper wall.
1415 - Inspect A6
1420 - Begin coring @ A6
1445 - collect sample A6-C-1, see photo 55. Begin inspection of B5
1505 - Begin drilling at B5
1525 - collect sample B5-C-2, see photo IMAG0413 & 0414 on A. Lopez' camera. Matt Hooper packing up to leave site.
1535 - M. Hooper offsite, set up to inspect remaining concrete locations. Pack out.
1758 - A. López offsite

Visitors:

Attachments ☐ Continued

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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 4

Project Rainier Commons — Project No. 78891
Location Seattle — Date 11/9/11
Equipment Rental ____ Company ____ To File
Equipment Hours ____ F.E. Time from: ____ to: ____ By Alexis Lopez

Inspection Log

Photo #	Grid #	Comments
45 & 46 (Matt's phone)	G4 brick	97% of paint removed. Paint remains on face of ~17 bricks, ranging from 2mm-1". Bricks in middle left & right sides have the majority of remaining paint. Approx 6 lines ranging from 8"-1'" x 1/2"-1/8", & approx 6 spots ranging from 2mm-1cm remain in grout. Underhanging edge of top middle brick has significant paint remaining
47, 50-52	G2 brick	92% of paint removed @ 1st 11" ~~remaining~~. Paint remains on the face of ~25 bricks, ranging from 1mm - 2" ϕ. Inside of alcove appears it was hard to blast as significant paint remains on underhanging edge. Approx. 22 lines of paint, 1"-8" x 1/8"-3/4", <5 spots of paint, 1mm-1/2" ϕ remain in grout.
~~54~~ 54	A6 concrete	99% paint removed. Approx 10 paint 1/4" ϕ spots remain, ranging from <1mm-1/4" ϕ. Steel plate on left side of grid w/ paint in some locations along the edge & in hole.

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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 2 of 4

Project Rainier Commons — Project No. 78891
Location Seattle — Date 11/5/11
Equipment Rental ____ Company ____ To File
Equipment Hours ____ F.E. Time from: ____ to: ____ By Alexis Lopez

Inspection Log

Photo #	Grid #	Comments
56	B5	99% paint removed. Approx 10 spots of paint <1mm-1/8" except for surrounding I-beam in left middle portion of grid. That area appears to have grout, w/ numerous (>20) small spots (1mm or less) spots of paint remaining
IMAG0416 (A. Lopez phone)	B4	99% paint removed. Approx. 15 spots of paint, <1mm-1/4". Form line w/ finer grained concrete near bottom middle of grid, no correlation w/ paint spots
IMAG0417	A1	95% of paint removed. Approx 20 spots of paint, <1mm to 1/4" x 1". Large circular feature (cut pipe?) in grid has paint around outer edge? around caulk inside. Steel plate in lower left corner has paint remaining around edge. Concrete surrounding? inside pipe is different than the rest of wall.

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Attachments ☑ Continued
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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 3 of 4

Project Rainier Commons — Project No. 78891
Location Seattle — Date 11/9/11
Equipment Rental ____ Company ____ To TL
Equipment Hours ____ F.E. Time from: ____ to: ____ By Alexis Lopez

Inspection Log

Photo #	Grid #	Comments
IMAG0418	C6	96% of paint removed. Bottom of I-beam present in upper right corner. Plastic pipe present in bottom middle. Aluminum sheeting present at bottom. Approx 30 spots of paint, <1mm - 1/2" ϕ. mainly in middle portion. Paint present on end of pipe sticking out (outer edge, a couple spots). Pipe filled w/ red concrete
IMAG0419	C7	100% of paint removed. No visible spots Form line near bottom of grid. Aluminum sheeting @ top.
IMAG0420 & 421	E1	80% of paint removed. Sprinkler pipe in right portion of grid. Approx 20 spots of paint, 1mm - 1.5" ϕ. Faded paint (or under layer of) remains in large portions (1" x 6" to 3" ϕ)
IMAG0422 & 424	G1	70% of paint removed. Approx 10 spots of paint, <1mm - 2" ϕ. Faded paint or under layer remains in large portions across the grid.
IMAG0425 & 426	H1	95-90% of paint removed. Approx 5 spots of paint remain, many under stairs, <1mm - 1" ϕ. Faded paint or under layer remains in medium size spots (3" - 1" ϕ).

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Attachments ☑ Continued
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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 4 of 4

Project Rainier Commons | Project No. 78391
Location Seattle | Date 11/9/14
Equipment Rental ____ | Company ____ | To File
Equipment Hours ____ | F.E. Time from: ____ to: ____ | By Alexis Lopez

Inspection Log

Photo #	Grid #	Comments
IMAG0427	G4	99% of paint removed. Approx. 12 spots, <1mm - 1/4" ϕ.
IMAG0428 & 429	~~E5~~ F6	60% of paint removed. Numerous small pockets within cinder blocks contain small, 1-2mm spots of paint across the entire grid. The paint is faded.
IMAG0434	H10	90% of paint removed. Approx. 24 spots of paint; <1mm - 2" ϕ. Some of the paint is a lt. green, some looks yellow. Large structural column of different concrete in majority of grid.

Visitors:
Attachments ☐ Continued
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CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 1

Project Rainier Commons — Project No. 78891
Location Seattle, WA — Date 11/10/11
Equipment Rental core drill — Company Eastside — To File
Equipment Hours 1 day — F.E. Time from: — to: — By Alexis López (AAL)

Purpose: continue drilling in lower concrete wall
0800 - A. López onsite
0810 - M. Hooper onsite. Haul stuff upstairs & prepare to begin drilling @ B4 location in upper concrete (note: collect rinsate blank RB-C-1 @ 0845 from core bit)
0900 - Begin drilling @ B4
0935 - collect sample B4-C-3, see photos IMAG0435 & 436 on A. Lopez' phone. Begin loading stuff down to be core @ lower concrete wall. Mask off locations on lower concrete wall. Realize we need a concrete duplicate, so before decontaminating drill bit drill duplicate @ B4 grid location.
1030 - collect concrete duplicate sample B4-C-(2), see photo IMAG0437 set up to begin drilling @ H10 in lower concrete wall
1130 - Begin drilling @ H10
1150 - collect sample H10-C-4, see photos IMAG0438 & 439. Set up to begin drilling @ F6. Call Pam to discuss visible paint throughout grid
1250 - Break for lunch. Pam calls back, says we need to sample that location.
1330 - Back from lunch, begin drilling @ F6
1410 - collect sample F6-C-5, see photos IMAG0445 & 0446. Set up to begin drilling @ G4
- Begin drilling @ G4
1455 - collect sample G4-C-6, see photos IMAG0447 & 448. Begin packing up, taking down scaffolding, etc.
1625 - collect rinsate blank sample RB-C-2 from core bit. continue packing out.
1900 - Finish packing out. Inventory scaffolding.
1915 - M. Hooper, A. López offsite

AG

Visitors:
Attachments ☐ Continued
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RCLLC 0012528

CDM

FIELD INVESTIGATION DAILY REPORT

Sheet 1 of 1

Project Rainier Commons — Project No. 79179-78891
Location Seattle, WA — Date 11/14/11
Equipment Rental _____ Company _____ To File
Equipment Hours _____ F.E. Time from: _____ to: _____ By MAH

1295 On site CDM
1300 Remove two ladders from site, which were left last week because they were too long for the van (have pick-up truck today). Performed walk-through of work area; all CDM items removed and site is clean.
1320 Met with Brenda Johson (Rainier) and W. Imer (Orion Env) to discuss combining liquid waste from our sampling work with soda-blast solid waste from paint removal activities. Soda-blast waste is double-bagged. Plan is to cut through both bags (since they are taped at the top) and tape the holes closed once enough liquid had been added.
1355 Confirm with PM the scope of work to combine wastes.
1400 Begin mixing liquid & solid wastes. Cutting holes and adding liquid through them is not a viable ~~alternative~~ option because the holes will need to be large and it would be too difficult to keep the waste contained. This method was used on the first two bags before I opted to remove the tape that sealed each bag and add liquid from the top. This alternate method proved to be more appropriate. When enough liquid ~~waste~~ was mixed, to a wet-sand consistency, the bags were retaped at the top. Additional bags were used as needed to contain the waste mixture.
1630 The solid waste from CDMs sampling efforts was double-bagged, sealed with tape, and added to the crated totes that held the soda-blast waste.
1650 Clean up
1700 Offsite

11/14/11

Visitors:
Attachments ☐ Continued
Distribution Initial M

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